## IN THE CLAIMS

Please amend claims 7, 40, 45, 51, 58, AND 62 as follows:

1. (Original) A data structure, comprising:

a plurality of logically linked applets, each of said applets defining a graphical layer, a video layer and a control layer, said control layer of each respective applet logically linking a graphical layer object to another applet.

- 2. (Original) The data structure of claim 1, wherein said graphical layer comprises a plurality of graphical objects, each of said graphical objects being logically linked to a respective applet via said control layer.
- 3. (Original) The data structure of claim 1, wherein:

said linked applets are stored in provider equipment within an interactive information distribution system and executed within subscriber equipment within said interactive information distribution system;

said subscriber equipment generating in response thereto an image representative signal which, when processed by a display device, results in the display of:

said graphics layer, for displaying one or more graphical objects, said graphical objects being associated with respective applets stored in provider equipment, said applets comprising menu information and associated image information;

said video layer, for displaying still or moving images, including still or moving images generated using said applet image information; and

said control layer, coupled to said graphics layer and said video layer, for generating an applet request in response to a selection of a graphical object.

4. (Original) In an interactive information distribution system comprising provider equipment and subscriber equipment in communication via a network, a method comprising:

transmitting, to said subscriber equipment from said provider equipment, a first applet defining a graphical layer, a video layer and a control layer, said control layer



logically linking a graphical layer object to a second applet stored in said provider equipment; and

in response to subscriber interaction indicative of the selection of said graphical layer object, transmitting said second applet to said subscriber.

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- 5. (Original) The method of claim 4, wherein said subscriber equipment receives and processes a single applet to provide, upon a display device, a graphical layer and a video layer, said control layer being responsive to user manipulation of graphical objects to select for download to said subscriber an applet associated with a selected graphical object.
- 6. (Original) The method of claim 4, wherein:

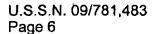
said graphical layer includes at least one graphical object representative of said logically linked applets, said video layer provides a contextual anchor relating to said applets and said control layer operates to logically link said graphical objects to said other applets.

- 7. (Currently Amended) A guide page comprising:
- a video layer comprising a plurality of title objects, wherein the video layer is derived from a video stream received from a transmission source; and

a graphics layer comprising a plurality of overlay objects, wherein each of the overlay objects is associated with a respective title object in the video layer and is selectively controlled to visually emphasize or de-emphasize <u>a title object in the videotape of said quide page</u>.



- 8. (Original) The guide page of claim 7, wherein an opacity level of each overlay object is adjustable to visually emphasize or de-emphasize the associated title object.
- 9. (Original) The guide page of claim 7, wherein a color of each overlay object is adjustable to visually emphasize or de-emphasize the associated title object.



- 10. (Original) The guide page of claim 7, wherein de-emphasized title objects are substantially hidden from view.
- 11. (Original) The guide page of claim 7, wherein the overlay objects are selectively controlled to hide or reveal the associated title objects.
- 12. (Original) The guide page of claim 7, wherein emphasized title objects are depicted as high intensity objects on the guide page and de-emphasized title objects are depicted as low intensity objects.
- 13. (Original) The guide page of claim 7, wherein an amount of de-emphasize for each title object is adjustable in discrete increments.



- 14. (Original) The guide page of claim 7, wherein at least one of the overlay objects in the graphics layer is a transparent overlay that does not visually alter the associated title object.
- 15. (Original) The guide page of claim 7, wherein each overlay object in the graphics layer is implemented as a bar having a particular shape.
- 16. (Original) The guide page of claim 7, wherein each overlay object in the graphics layer is implemented as horizontal bar.
- 17. (Original) The guide page of claim 7, wherein each overlay object is associated with a particular x-y coordinate.
- 18. (Original) The guide page of claim 7, wherein each title object in the video layer represents a program in a listing of programs.
- 19. (Original) The guide page of claim 18, wherein the listing of programs includes prior, current, or future time programming, or a combination thereof.



- 20. (Original) The guide page of claim 7, wherein each title object is associated with a respective program for a particular channel and time slot.
- 21. (Original) The guide page of claim 20, wherein title objects not associated with a desired time slot are masked by controlling the associated overlay objects.
- 22. (Original) The guide page of claim 7, wherein each title object corresponds to a manipulable object within the video layer.
- 23. (Original) The guide page of claim 7, wherein the title objects in the video layer are visually emphasized or de-emphasized in response to user manipulations via a remote control unit.
- 24. (Original) The guide page of claim 7, wherein the overlay objects in the graphics layer are controlled locally at a set top terminal.
- 25. (Original) The guide page of claim 7, wherein the graphics layer is modified in response to a user command.
- 26. (Original) The guide page of claim 7, wherein the graphics layer is derived based in part on data received from the transmission source.
- 27. (Original) The guide page of claim 7, wherein the graphics layer is generated at the transmission source and received via one or more streams.
- 28. (Original) The guide page of claim 7, wherein the overlay objects are arranged in the graphics layer based on overlay parameters received from the transmission source.
- 29. (Original) The guide page of claim 7, wherein the graphics layer is generated locally at a set top terminal.

- 30. (Original) The guide page of claim 7, wherein the graphics layer is generated using one or more bitmaps.
- 31 (Original) The guide page of claim 30, wherein the one or more bitmaps are preprogrammed at a set top terminal.
- 32. (Original) The guide page of claim 30, wherein the one or more bitmaps are updatable at a set top terminal.
- 33. (Original) The guide page of claim 30, wherein the one or more bitmaps are synchronized to the video layer via signaling sent via a data delivery means.
- 34. (Original) The guide page of claim 7, wherein the graphics layer includes an icon representative of a particular channel selected for processing.
- 35. (Original) The guide page of claim 7, wherein an emphasized title object can be selected to retrieve a video stream or an audio stream, or both, associated with the emphasized title object.
- 36. (Original) The guide page of claim 7, wherein an emphasized title object can be selected to change a level of abstraction, wherein each of a plurality of possible levels of abstraction defines a particular manner in which data is presented on the program guide page.
- 37. (Original) The guide page of claim 36, wherein the plurality of levels of abstraction include an interaction model that includes manipulations requiring no interaction with the transmission source.
- 38. (Original) The guide page of claim 36, wherein the plurality of levels of abstraction include an interface model that includes manipulations requiring interaction with the transmission source.



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- 39. (Original) The guide page of claim 36, wherein the plurality of levels of abstraction include a contextual level indicative of replacement of the video layer in response to a user command.
- 40. (Currently Amended) An Interactive program guide (IPG) page comprising:
  a video layer comprising a plurality of title objects, wherein each title object is
  associated with a particular channel and time slot, and wherein the video layer is
  derived from a video stream received from a service provider transmission source; and
  a graphics layer comprising a plurality of overlay objects, wherein each overlay

object is associated with a respective title object in the video layer and is selectively controlled to hide or reveal the associated title object.



- 41. (Original) The IPG page of claim 40, wherein the video layer includes title objects for a plurality of time slots, and wherein title objects corresponding to a selected time slot are revealed and title objects corresponding to remaining time slots are hidden from view.
- 42. (Original) The IPG page of claim 40, wherein the video layer is divided into a plurality of regions including a guide region and a video region.
- 43. (Original) The IPG page of claim 42, wherein the plurality of regions further includes a program description region used to display program information for a particular program.
- 44. (Original) The IPG page of claim 42, wherein the guide region presents a listing of programs and is generated at the transmission source.
- 45. (Currently Amended) An interactive program guide (IPG) page comprising: a video layer comprising a guide region and a video region, wherein the guide region includes a plurality of title objects, and wherein each title object is associated with a particular channel and time slot; and

a graphics layer comprising a plurality of overlay objects, wherein each overlay object is associated with a respective title object in the video layer and is selectively controlled to emphasize or de-emphasize the associated title object shown in the IPG page.

- 46. (Original) The IPG page of claim 45, wherein the video layer further includes a plurality of icons representative of a plurality of user selectable options.
- 47. (Original) The IPG page of claim 45, wherein the video layer further includes a program description region.



- 48. (Original) The IPG page of claim 45, wherein a first set of one or more title objects in the guide region is emphasized and a second set of one or more title objects in the guide region is de-emphasized.
- 49. (Original) The IPG page of claim 45, wherein the title objects in the guide region and the overlay objects in the graphics layer are generated at a transmission source.
- 50. (Original) The IPG page of claim 45, wherein the title objects in the guide region are generated at a transmission source and the overlay objects in the graphics layer are generated locally at a set top terminal.
- 51. (Currently Amended) The A method for providing an interactive program guide (IPG) page at a set top terminal, the method comprising:

receiving a video stream comprising a video layer from a transmission source; processing the received video stream to provide a video layer for the IPG page, wherein the video layer includes a plurality of title objects, and wherein each title object is associated with a respective channel and time slot; and

presenting a graphics layer having included therein a plurality of overlay objects, wherein each overlay object is associated with a respective title object in the video layer and is selectively controlled to visually emphasize or de-emphasize the associated title object.

- 52. (Original) The method of claim 51, further comprising: merging the video layer with the graphics layer to provide an output video.
- 53. (Original) The method of claim 51, wherein the video and graphics layers are generated at the transmission source.
- 54. (Original) The method of claim 51, wherein the video layer is generated at the transmission source and the graphics layer is generated locally at the set top terminal.
- 55. (Original) The method of claim 51, further comprising: receiving a user command to change emphasis on one or more title objects; and modifying the graphics layer in response to the user command.
  - 56. (Original) The method of claim 51, further comprising:
    receiving a user command selecting a particular title object; and
    processing a stream associated with the particular title object to retrieve selected
    information.
  - 57. (Original) The method of claim 51, further comprising:
    receiving a command to change a level of abstraction; and
    changing the level of abstraction in response to the received command, and
    wherein each of a plurality of possible levels of abstraction defines a particular manner
    in which data is presented on the IPG page.
  - 58. (Currently Amended) The A method for providing a guide page at a set top terminal, the method comprising:

receiving a first stream <u>comprising a video layer</u> from a transmission source; processing the first stream to provide <u>said</u> [[a]] video layer for the guide page, wherein the video layer includes a plurality of title objects;

receiving a second stream from the transmission source;

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processing the second stream to provide a graphics layer for the guide page, wherein the graphics layer includes therein a plurality of overlay objects, and wherein each overlay object is associated with a respective title object in the video layer and is selectively controlled to visually emphasize or de-emphasize the associated title object.

- 59. (Original) The method of claim 58, further comprising: receiving a user command to emphasize or de-emphasize a particular title object; and modifying the graphics layer in response to the user command.
- a receiving device.

(Original) The method of claim 59, wherein the modifying is performed locally at

- 61. (Original) The method of claim 58, further comprising: receiving a user command for a particular selection; and sending a request to the transmission source for additional data if the user request cannot be processed based on available data at a set top terminal.
- 62. (Currently Amended) A set top terminal (STT) operative to provide an interactive program guide (IPG) page, comprising:
- a demodulator operative to receive a modulated signal <u>including a video layer of</u> the IPG page, and provide a transport stream;
- a transport de-multiplexer coupled to the demodulator and operative to receive and process the transport stream to provide a plurality of elementary streams;
- a video decoder coupled to the transport de-multiplexer and operative to decode a first elementary stream to provide the [[a]] video layer for the IPG page, wherein the video layer includes a plurality of title objects, and wherein each title object is associated with a respective channel and time slot in a program guide listing;
- an on-screen display (OSD) processor operative to provide a graphics layer having included therein a plurality of overlay objects, wherein each overlay object is associated with a respective title object in the video layer and is selectively controlled to visually emphasize or de-emphasize the associated title object; and

a compositor coupled to the video decoder and the OSD processor and operative to combine the video layer with the graphics layer to provide the IPG page.



- 63. (Original) The STT of claim 62, further comprising: a controller coupled to the OSD processor and operative to provide a signal used to provide the graphics layer.
- 64. (Original) The STT of claim 63, wherein the controller is operative to receive a user command and, in response, modifies the signal provided to the OSD processor.
- 65. (Original) The STT of claim 62, wherein the controller includes a storage element operative to store one or more bitmaps used to produce the graphics layer.